

PRECISION LAND FORMING

Design Survey

The following information shall be obtained and recorded in the field notes:

- a. Topography of the area (random shots or grid survey with 100' maximum interval).
- b. Soil investigation. (Can be on a soil map.)
- c. Location of borrow areas, if needed.

Design Data

The following shall be considered minimum in the design of Precision Land Forming. The information shall be recorded in the design notes or on the drawings.

- a. Soils information.
- b. Planned grades or contours.
- c. Shrinkage factor.
- d. Volume of cuts and fills.
- e. Area to be formed.

Drawings and Specifications

The construction drawings shall include but will not be limited to the following items:

- a. Plan view of area to be land formed.
- b. Cut or fill at grid points or selected locations.
- c. Location of borrow or waste areas.

Practice specifications and, if needed, applicable "Items of Work and Construction Details" shall be provided for each item or phase of construction. The specifications may be included on the drawings.

Layout Survey Notes

Design data may be transferred to field notes. Where the area was staked in a grid pattern, no actual layout survey notes are required. If the area was not gridded, layout survey notes are required. Layout survey notes shall be recorded in the field notes. The layout shall consist of setting cut and fill stakes at preselected locations.

Compliance Checks

The complexity of the land forming will dictate the need for compliance checks during construction. All compliance checks shall be recorded in the field notes. Narratives of construction checks shall be recorded on a sheet in the field notes. Compliance checks shall include but will not be limited to the following:

- a. Elevations at selected locations.
- b. Lateral limits of the land forming.
- c. Statement of compliance.

As-Built Plans

As-Built drawings shall be prepared for Precision Land Forming. These drawings shall reflect all significant changes in cuts and fills and lateral limits of the area graded. If there were no significant changes, the original drawings shall be marked "As-Built".